

Appendix E - Soils Types and Erosional/Compaction Hazards

Table E 1 - Soil Types for Proposed Density Management Units

Table E 2 - Erosional Susceptibility and Compaction Hazard

Table E 1 - Soil Type by Proposed Density Management Unit.

Soil Types

Unit	Mapping Unit	Soil Type	% Slope
1	44E 46D	Preacher-Blachly Association Preacher-Bohannon Loams	30 - 60 3 - 30
2	44E 46D 46E 46F	Preacher-Blachly Association Preacher-Bohannon Loams Preacher-Bohannon Loams Preacher-Bohannon Loams	30 - 60 3 - 30 30 - 60 60 - 90
3a	44D 44E 46F	Preacher-Blachly Association Preacher-Blachly Association Preacher-Bohannon Loams	12 - 30 30 - 60 60 - 90
3b	4D 44E 46F	Blachly Silty Clay Loam Preacher-Blachly Association Preacher-Bohannon Loams	0 - 30 30 - 60 60 - 90
4	46F 58F	Preacher-Bohannon Loams Umpcoos-Rock Outcrop Association	60 - 90 70 - 99
5a	46D 46F	Preacher-Bohannon Loams Preacher-Bohannon Loams	3 - 30 60 - 90
5b	44D 46D 46F	Preacher-Blachly Association Preacher-Bohannon Loams Preacher-Bohannon Loams	12 - 30 3 - 30 60 - 90
5c	44D 46F	Preacher-Blachly Association Preacher-Bohannon Loams	12 - 30 60 - 90
6a	38F 46E 46F	Milbury-Bohannon-Umpcoos Association Preacher-Bohannon Loams Preacher-Bohannon Loams	50 - 80 30 - 60 60 - 90
6b	4D 46F	Blachly Silty Clay Loam Preacher-Bohannon Loams	0 - 30 60 - 90
6c	46F	Preacher-Bohannon Loams	60 - 90
6d	44D 44E 46F	Preacher-Blachly Association Preacher-Blachly Association Preacher-Bohannon Loams	12 - 30 30 - 60 60 - 90
8	38F 46F	Milbury-Bohannon-Umpcoos Association Preacher-Bohannon Loams	50 - 80 60 - 90
10	38F 46D 46F	Milbury-Bohannon-Umpcoos Association Preacher-Bohannon Loams Preacher-Bohannon Loams	50 - 80 3 - 30 60 - 90
11	46D 46F	Preacher-Bohannon Loams Preacher-Bohannon Loams	3 - 30 60 - 90
12a	46F	Preacher-Bohannon Loams	60 - 90

Unit	Mapping Unit	Soil Type	% Slope
12b	38F 46F	Milbury-Bohannon-Umpcoos Association Preacher-Bohamon Loams	50 - 80 60 - 90
13a	46F 58F	Preacher-Bohamon Loams Umpcoos-Rock Outcrop Association	60 - 90 70 - 99
13b	46F 58F	Preacher-Bohamon Loams Umpcoos-Rock Outcrop Association	60 - 90 70 - 99
14a	46F	Preacher-Bohamon Loams	60 - 90
14b	33 38F 46E 46F 58F	Kirkendall Silt Loam Milbury-Bohannon-Umpcoos Association Preacher-Bohamon Loams Preacher-Bohamon Loams Umpcoos-Rock Outcrop Association	0 - 3 50 - 80 30 - 60 60 - 90 70 - 99
14c	33 46D 46E 46F	Kirkendall Silt Loam Preacher-Bohamon Loams Preacher-Bohamon Loams Preacher-Bohamon Loams	0 - 3 3 - 30 30 - 60 60 - 90
15a	44D 46D 46F	Preacher-Blachly Association Preacher-Bohamon Loams Preacher-Bohamon Loams	12 - 30 3 - 30 60 - 90
15b	44D 46D 46F	Preacher-Blachly Association Preacher-Bohamon Loams Preacher-Bohamon Loams	12 - 30 3 - 30 60 - 90
15d	38F 46E 46F 58F	Milbury-Bohannon-Umpcoos Association Preacher-Bohamon Loams Preacher-Bohamon Loams Umpcoos-Rock Outcrop Association	50 - 80 30 - 60 60 - 90 70 - 99
15e	46E 46F 58F	Preacher-Bohamon Loams Preacher-Bohamon Loams Umpcoos-Rock Outcrop Association	30 - 60 60 - 90 70 - 99
15f	46E 46F 58F	Preacher-Bohamon Loams Preacher-Bohamon Loams Umpcoos-Rock Outcrop Association	30 - 60 60 - 90 70 - 99
15g	46E 46F 58F	Preacher-Bohamon Loams Preacher-Bohamon Loams Umpcoos-Rock Outcrop Association	30 - 60 60 - 90 70 - 99
15h	58F	Umpcoos-Rock Outcrop Association	70 - 99
16	46D 46F	Preacher-Bohamon Loams Preacher-Bohamon Loams	3 - 30 60 - 90
17	38F 46D 50E	Milbury-Bohannon-Umpcoos Association Preacher-Bohamon Loams Remote-Digger-Preacher Complex	50 - 80 3 - 30 30 - 50

Unit	Mapping Unit	Soil Type	% Slope
18	38F 46D 46E 58F	Milbury-Bohannon-Umpcoos Association Preacher-Bohammon Loams Preacher-Bohammon Loams Umpcoos-Rock Outcrop Association	50 - 80 3 - 30 30 - 60 70 - 99
19	46D 58F	Preacher-Bohammon Loams Umpcoos-Rock Outcrop Association	3 - 30 70 - 99
20	38F 45E 58F	Milbury-Bohannon-Umpcoos Association Preacher-Blachly-Digger Association Umpcoos-Rock Outcrop Association	50 - 80 30 - 60 70 - 99
21	38F 46D 58F	Milbury-Bohannon-Umpcoos Association Preacher-Bohammon Loams Umpcoos-Rock Outcrop Association	50 - 80 3 - 30 70 - 99
22b	46D 58F	Preacher-Bohammon Loams Umpcoos-Rock Outcrop Association	3 - 30 70 - 99
22c	46D 46F 58F	Preacher-Bohammon Loams Preacher-Bohammon Loams Umpcoos-Rock Outcrop Association	3 - 30 60 - 90 70 - 99
23	45E 46D 46F	Preacher-Blachly-Digger Association Preacher-Bohammon Loams Preacher-Bohammon Loams	30 - 60 3 - 30 60 - 90
24	38F 46F 58F	Milbury-Bohannon-Umpcoos Association Preacher-Bohammon Loams Umpcoos-Rock Outcrop Association	50 - 80 60 - 90 70 - 99
25	46D 46F	Preacher-Bohammon Loams Preacher-Bohammon Loams	3 - 30 60 - 90
26	38F 58F	Milbury-Bohannon-Umpcoos Association Umpcoos-Rock Outcrop Association	50 - 80 70 - 99
27	38F 46F	Milbury-Bohannon-Umpcoos Association Preacher-Bohammon Loams	50 - 80 60 - 90

Table E 2 -Erosional Susceptibility & Compaction Hazard

SOIL	PERM EABILITY	EROSIONAL SUSCEPTIBILITY	COMPACTION HAZARD	SLOPE STABILITY
Blachly Silty Clay Loam (4)	slow	slight on slopes <10% and moderate on slopes >10%	severe	
Honeygrove Silty Clay Loam (30)	moderately slow	slight on slopes <10% and moderate on slopes >10%	severe	Slopes >10% susceptible to slumping
Kirkendall Silt Loam (33)	slow	slight	severe	
Milbury-Bohannon-Umpcoos Association (38)	moderate to moderately rapid	severe in Milbury and Umpcoos soils and slight in slopes <10% moderate in slopes 10-35% and severe on slopes >35% on Bohannon soils	slight to moderate	severe- very unstable sideslopes on Umpcoos soils and severe landslide hazard with roads in headwalls being unstable in Milbury soils
Preacher-Blachly Association (44)	moderate to moderately slow	slight on slopes <10% and moderate on slopes >10%, severe on slopes >35% on Preacher soils	moderate to severe	
Preacher-Blachly-Digger Association (45)	moderately slow to moderately rapid	severe in Digger soils, slight on slopes <10% and moderate on slopes >10%, severe on slopes >35% on Preacher soils	slight to severe	severe- very unstable sideslopes on Digger soils
Preacher-Bohannon Loams (46)	moderate	slight slopes <10% moderate slopes 10-35%, severe on slopes >35%	moderate	
Remote-Digger-Preacher Complex (50)	moderate to moderately rapid	severe in Digger and Remote soils and slight in slopes <10% moderate in slopes 10-35% and severe on slopes >35% on Preacher soils	slight to severe in Remote soils	severe - very unstable sideslopes on Digger soils
Umpcoos-Rock Outcrop (58)	moderately rapid to variable in Rock outcrops	severe	slight	severe- very unstable sideslopes

